



Click [here](#) for the 3D model.

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0603             |
| L         | 1.6mm +/-0.15mm  |
| W         | 0.8mm +/-0.15mm  |
| T         | 0.8mm +/-0.07mm  |
| S         | 0.7mm MIN        |
| B         | 0.35mm +/-0.15mm |

### Packaging Specifications

|                    |          |
|--------------------|----------|
| Packaging          | Cut Reel |
| Packaging Quantity | 500      |

### General Information

|                  |   |
|------------------|---|
| Series           | SMD Indust COG HT200C                               |
| Style            | SMD Chip  |
| Description      | SMD, MLCC, High Temperature, Ultra-Stable, Low Loss |
| Features         | High Temp, Ultra-Stable, Low Loss                   |
| RoHS             | Yes   |
| Termination      | Tin   |
| Marking          | No  |
| AEC-Q200         | No  |
| Component Weight | 3.7 mg  |
| Shelf Life       | 78 Weeks  |
| MSL              | 1   |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 2700 pF                |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance  | 5%                     |
| Voltage DC   | 50 VDC                 |
| Dielectric Withstanding Voltage                                    | 125 VDC                |
| Temperature Range  | -55/+200°C             |
| Temperature Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1kHz 1.0Vrms      |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |